

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

CORRECTED VERSION

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
8 January 2004 (08.01.2004)

PCT

(10) International Publication Number
WO 2004/003820 A2

(51) International Patent Classification⁷: **G06F 19/00**

CAZENAVE, Pierre-André [FR/FR]; 57, boulevard Lefebvre, F-75015 Paris (FR).

(21) International Application Number:

PCT/IB2003/003339

(74) Agents: MARTIN, Jean-Jacques et al.; Cabinet Regimbeau, 20, rue de Chazelles, F-75847 Paris Cédex 17 (FR).

(22) International Filing Date: 1 July 2003 (01.07.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/392,352 1 July 2002 (01.07.2002) US
60/392,373 1 July 2002 (01.07.2002) US

(71) Applicants (for all designated States except US): INSTITUT PASTEUR [FR/FR]; 25/28, rue du Docteur Roux, F-75015 Paris (FR). CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) [FR/FR]; 3, rue Michel Ange, F-75016 Paris (FR). UNIVERSITE PIERRE ET MARIE CURIE (PARIS VI) [FR/FR]; 4, Place Jussieu, F-75005 Paris (FR).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

(75) Inventors/Applicants (for US only): COLLETTE, Alexis [FR/FR]; 8, rue Jeanne Hachette, F-75015 Paris (FR). SIX, Adrien [FR/FR]; 35, avenue du Docteur Durand, F-94110 Arcueil (FR). PIED, Sylviane, Bernadette [FR/FR]; 57, boulevard Lefebvre, F-75015 Paris (FR).

Declaration under Rule 4.17:

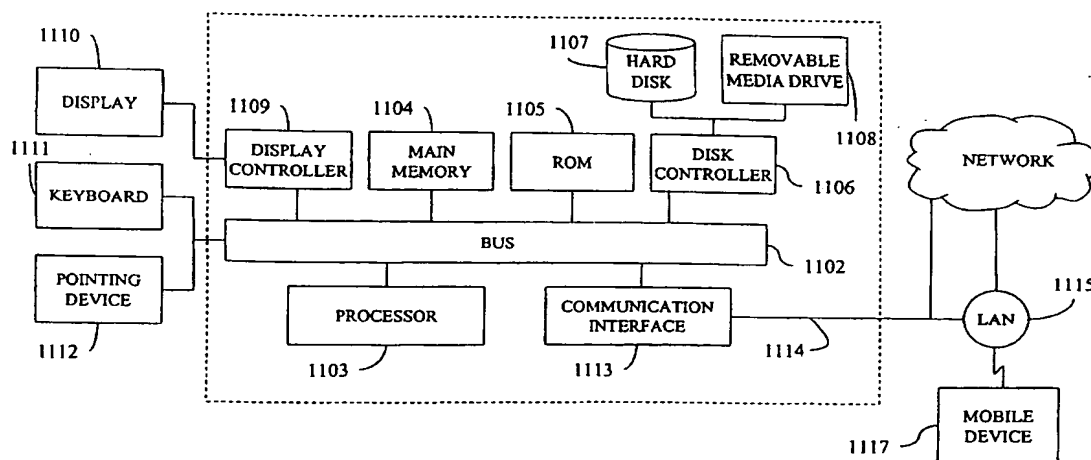
— of inventorship (Rule 4.17(iv)) for US only

Published:

— without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: SYSTEM, METHOD, DEVICE, AND COMPUTER PROGRAM PRODUCT FOR EXTRACTION, GATHERING, MANIPULATION, AND ANALYSIS OF PEAK DATA FROM AN AUTOMATED SEQUENCER



(57) Abstract: The present invention relates to a novel computer program product to extract and gather peak information from an automated sequencer or bioinformatics tool into a peak database, and to manipulate and analyze the peak information within the database.